

Severe Weather Risk

April 18th – 19th, 2013

Threat Assessment for South-Central Indiana and Central Kentucky

Brian Schoettmer,
Forecaster

lmk.ops@noaa.gov
NWS Louisville KY

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Created by: Linda Gilbert

National Weather Service
Louisville KY

Expected Impacts

Timing: *Using I-65 as an areal reference point (see next slide)*

West: 7pm – 10pm CDT

Along: 10pm – 2am EDT

East: 1am – 3am EDT

Wind: Swaths of damaging winds (60-70 mph winds, isolated 70+ mph) will be the primary hazard.

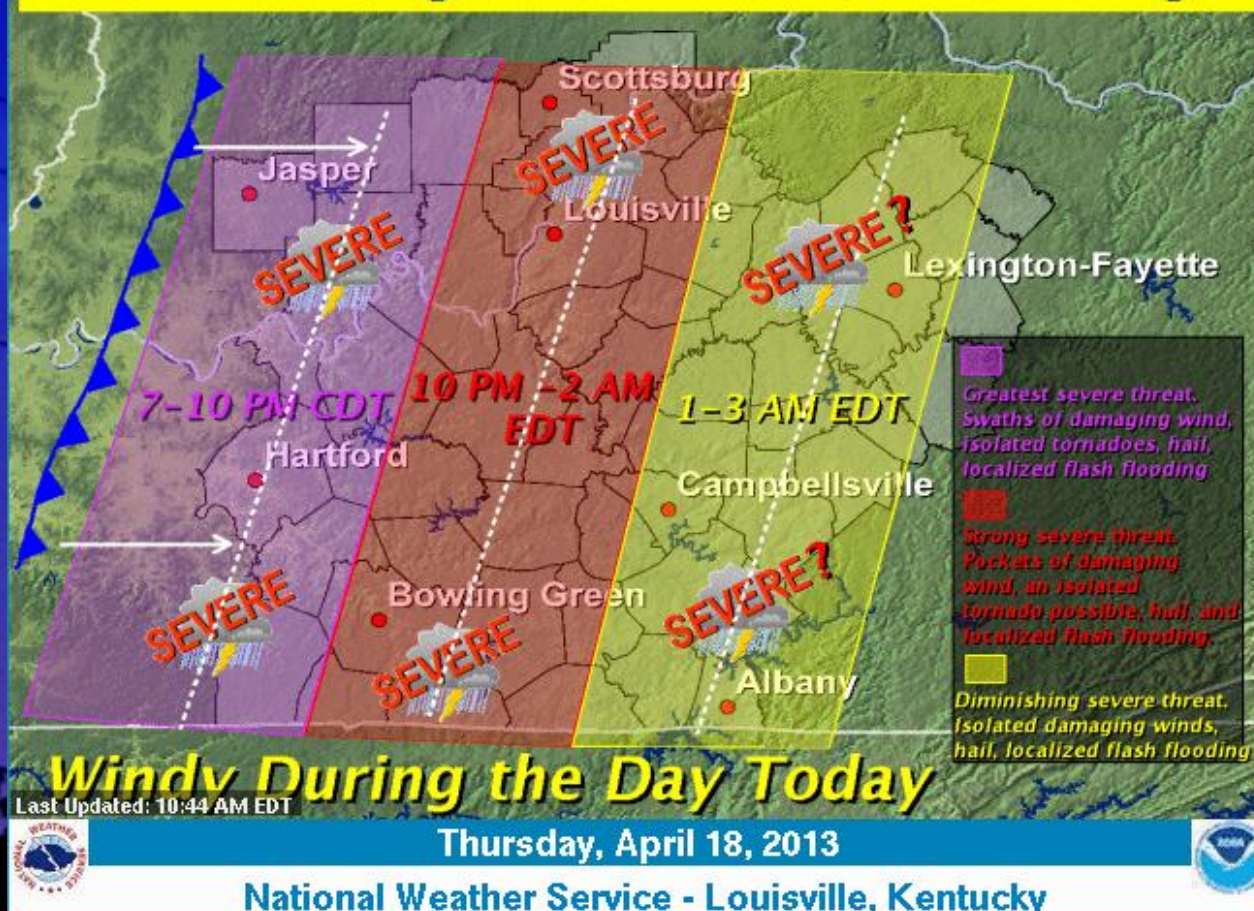
Flooding: Heavy rainfall (1-2 inches) will occur, causing low-lying areas and flood prone locations to see rising and/or flowing waters.

Hail: Isolated occurrences of large hail will be possible.

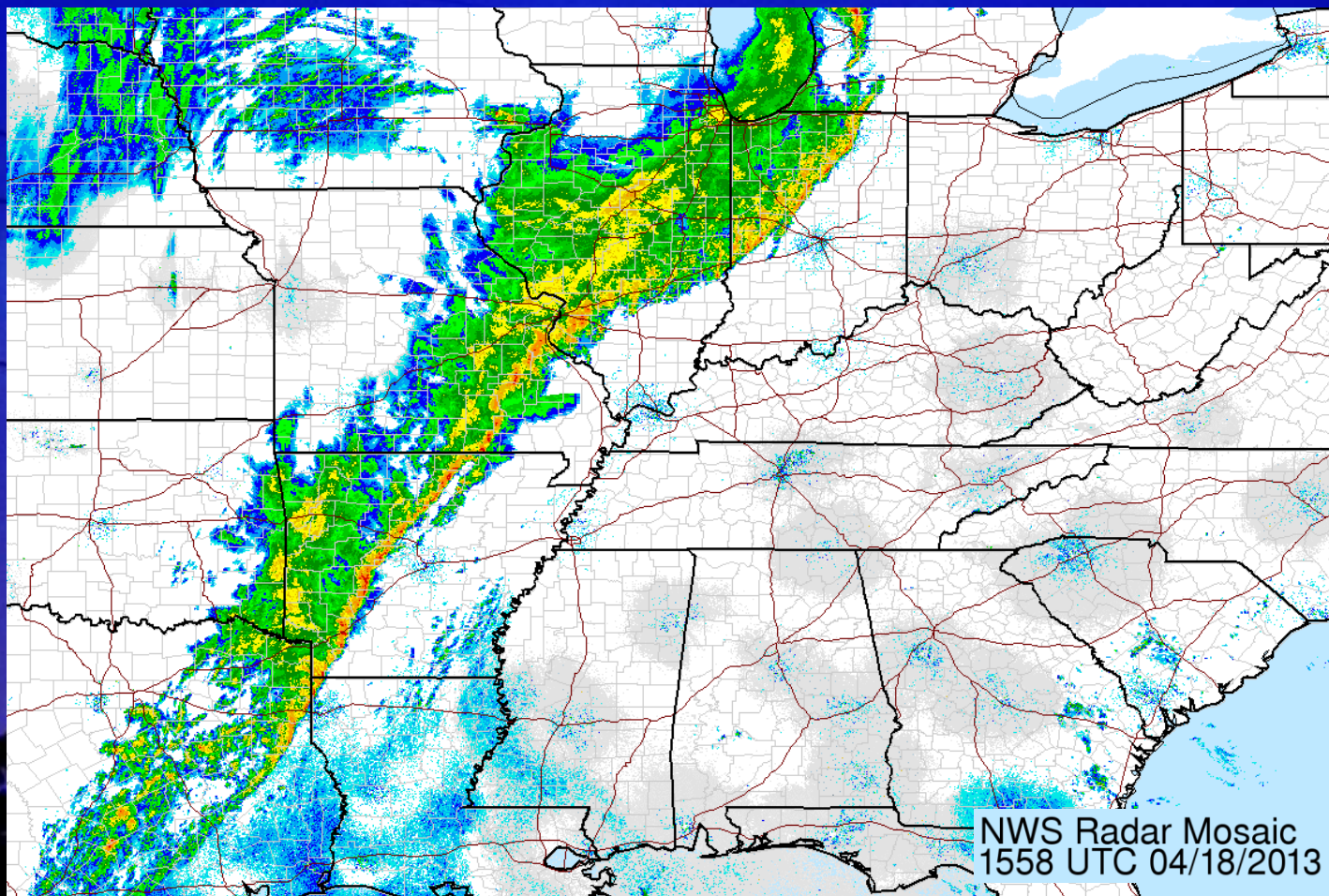
Tornadoes: Isolated tornadoes will be possible, primarily west of I-65.

Expected Impacts

Line of Strong to Severe Storms Tonight



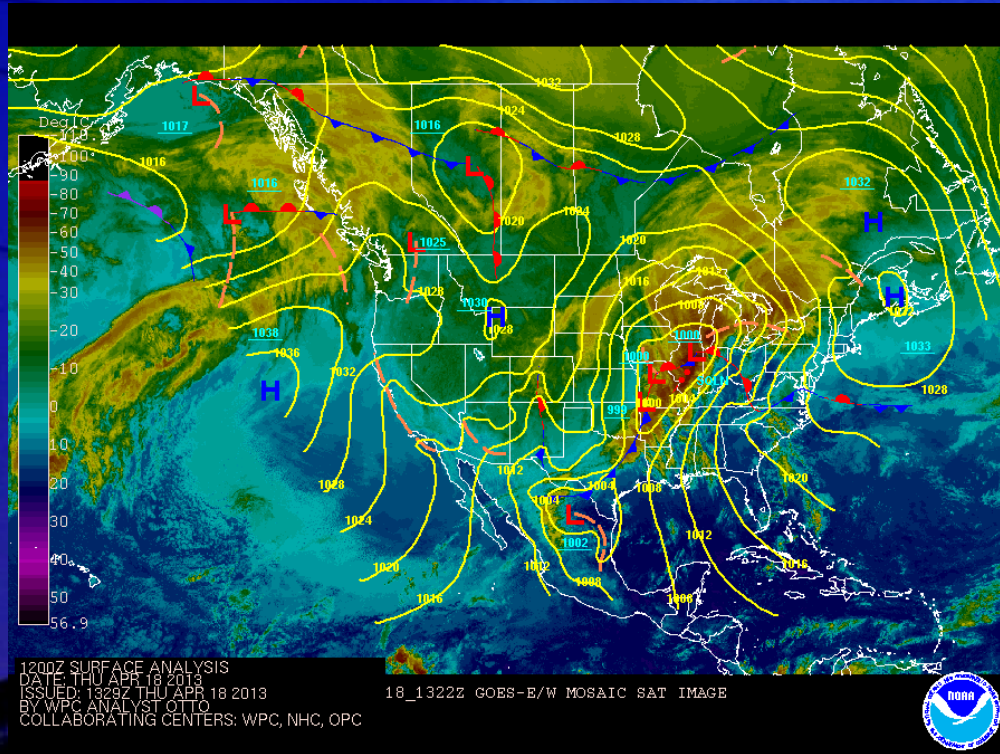
Radar Imagery



4/18/2013 11:25 AM

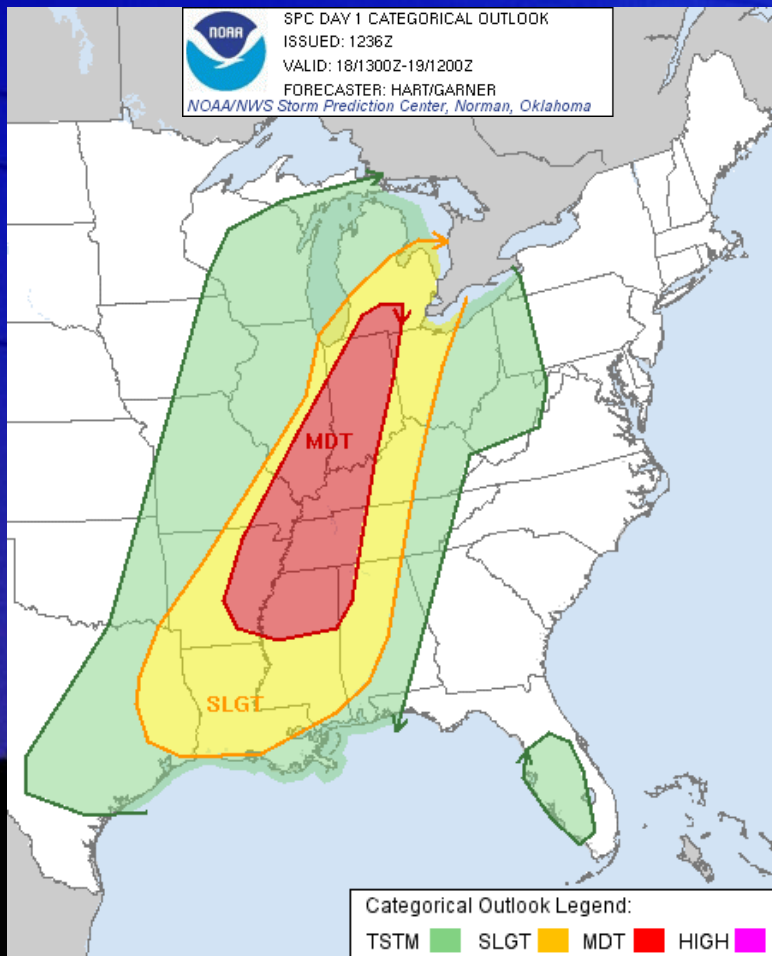
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Weather Map Overview



- Strengthening surface low pressure system as it moves into the Great Lakes region with a trailing strong cold front.
- Vigorous upper-level disturbance creating substantial low- and mid-level winds for storm organization.
- Enough low-level instability to realize full spectrum of severe weather threats.

Severe Weather Outlook



- Locations primarily west of I-65 are under the greatest severe weather threat.
- Damaging winds (60-70 mph, isolated 70+ mph), isolated tornadoes, localized flash flooding, & hail.
- Squall line is expected to gradually weaken as moves eastward. However, severe weather threat will continue to exist for the entire forecast area.
- Confidence is high in the line of storms moving through and their impacts, but confidence is lower on exact timing.